8. CRUSTACEA: BRACHYURA AND ANOMURA FROM DIEGO GARCIA

J. D. Taylor

This list consists mainly of species collected in July 1967 by J. D. Taylor, who also made the identifications. The specimens are deposited in the British Museum (Natural History). Previous records are also included in the list; these are mainly small collections made by expeditions during short stops at the Atoll. The most notable of these are those of the Deutsche Tiefsee-Expedition (Doflein 1904, Doflein and Balss 1913, Balss 1912) and of the Percy Sladen Trust Expedition (Rathbun 1911, Laurie 1926, Borradaile 1907). The crabs in the Desjardins Museum of the Mauritius Institute were listed by Ward (1942), and amongst them were many species from Diego Garcia collected by J. Morin in 1936.

Brachyura

DIVISION OXYRHYNCA

Menaethius monoceros (Latreille)
North West Point seaward reef, *Cymodocea* beds, cryptofauna, sublittoral fringe*, 21 July 1967. East Point, seaward, cryptofauna reef flat, sublittoral fringe, 6 July 1967. East Point lagoon reef, *Cymodocea* beds, on leaves, sublittoral 1 m, 1 male, 1 female, 7 July 1967. Rathbun (1911) lagoon 14 fathoms.

Xenocarcinus tuberculatus White
Rathbun (1911) lagoon 14 fathoms.

Parthenopoides erosus Miers
Ward (1942).

Kraussia sp.
South Point, seaward, coral colonies, sublittoral fringe, 11 July 1967.

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* For an explanation of zonation and terminology, see Lewis, J. R., 1964, The ecology of rocky shores, and Taylor, J. D., Phil. Trans. R. Soc. London B, 254: 129-206, 1968.

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DIVISION BRACHYRHYNCHA

Cardisoma carnifex (Herbst)
Barachois Maurice, burrows around edge of barachois. Littoral fringe and supralittoral. Common around lagoon shores, and barachois.

Ocypode ceratophthalma (Pallas)
Barton Point, lagoon beach, supralittoral, 7 July 1967. Ward (1942). Doflein (1904).

Ocypode cordimana Desmarest
East Point seaward shore, sandy beach, supralittoral, 5 July 1967. North East Point, seaward beach. South Point, windward beach, 18 July 1967. Ward (1942).

Uca tetragonon (Herbst)
Barachois Maurice, white mud, intertidal, 15 July 1967. Barachois Maurice, base of barachois rock, 1 male, 16 July 1967. Carcasse, intertidal mud, 4 male, 3 female, 9 July 1967. Borradaile (1907) Barachois.

Grapsus tenuicrustatus (Herbst)
South Point, beachrock, intertidal, 11 July 1967. Cust Point, lagoon shore, beachrock, intertidal, 14 July 1967. Barton Point, on boulders, intertidal, 7 July 1967. East Point, seaward reef, beachrock, intertidal, 1 female, 8 July 1967.

Geograpsus grayi (Milne Edwards)
East Point, mid island, beneath vegetation, terrestrial, 7 July 1967. Doflein (1904).

Metopograpsus messor (Forskål)
Barachois Maurice, beneath rocks around margin, intertidal, 9 July 1967. Lagoon shore S. of Mamzelle Adélie, beachrock, intertidal, 17 July 1967.

Metopograpsus thukuhar (Owen)
Carcasse, tidal inlet, 9 July 1967.

Pachygrapsus minutus Milne Edwards
East Point, lagoon shore, coral cobbles, base of beach, intertidal, 5 July 1967.

Metasesarma rousseauxi Milne Edwards
Barton Point, terrestrial, beneath old coconut husks, 7 July 1967. Ward (1942).

Percnon abbreviatum (Dana)
East Point, seaward reef, algal ridge, cryptofauna, sublittoral fringe, 8 July 1967.

Percnon planissimum (Herbst)
Barton Point, beneath rocks at base of beach, eulittoral, 7 July 1967. East Point, seaward reef, mid-reef flat, cryptofauna, beneath block, sublittoral fringe, 8 July 1967. West Island, seaward platform, eulittoral, 23 July 1967. Doflein (1904).

Carupa laeviscula Heller
Ward (1942).

Portunus orbitosinus Rathbun
East Point, seaward reef, base of beach beneath boulders, eulittoral, 8 July 1967.

Thalamita admete (Herbst)
East Point, lagoon on coral colony, sublittoral, 1 m, 19 July 1967. Ward (1942).

Thalamita gloriensis Crosnier
South Point, seaward reef, in weed, sublittoral fringe, 11 July 1967.

Thalamita integra Dana
Pointe Marianne, lagoon shore, Cymodocea beds, 22 July 1967. Rathbun (1911) lagoon.

Thalamita picta Stimpson
East Point, seaward reef, reef flat, cryptofauna, sublittoral fringe, 6 July 1967. Ward (1942).

Thalamita poissoni (Audouin and Savigny) ?
Barachois Maurice, beneath rock at base of barachois rock, intertidal, 16 July 1967.

Thalamita prymna (Herbst)
Ward (1942).

Carpilius maculatus (Linnaeus)
Ward (1942) 1 female.

Zosimus aeneus (Linnaeus)
East Point, seaward shore, beneath boulders on reef flat, close inshore, sublittoral fringe, 8 July 1967. North West Point, seaward reef, algal ridge beneath boulders, sublittoral fringe, 21 July 1967.

Chlorodiella nigra (Forskål)
Carcasse, lagoon reef, from coral colony, 1 metre depth, 8 July 1967; East Point seaward reef, algal ridge cryptofauna, sublittoral fringe. Rathbun (1911) lagoon.

Xantho cf. voeltzkowii (Lenz)
East Point seaward reef, cryptofauna, 6 July 1967.

Xantho sp.
South Point, beach rock, cryptofauna, eulittoral, 11 July 1967.

Leptodius cavipes (Dana)
Ward (1942).

Leptodius quinquedentatus Krauss
East Point, lagoon shore, cobbles at base of beach. Intertidal, 5 July 1967. East Point, seaward shore, boulders at base of beach, 8 July 1967.

Leptodius sanguineus (Milne Edwards)
South Point, in beach rock crevices, cryptofauna, eulittoral, 11 July 1967; South Point seaward reef flat, base of beach rock, eulittoral, 11 July 1967; East Point, seaward reef, base of beach, boulders, eulittoral, 8 July 1967; East Point, seaward reef, cryptofauna, sublittoral fringe, 6 July 1967; West Island seaward platform, eulittoral, 23 July 1967. Doflein (1904).

Actaea (Glyptoxanthus) cavipes (Dana)
East Point, seaward flats, midreef flat, cryptofauna. 3 specimens; Headland N. of Point Thomas, beneath boulders, sublittoral fringe, 13 July 1967. Ward (1942) under A. fossulata Girard.

Actaea banareias (Rathbun)
Ward (1942).

Actaea rufopunctata (Milne Edwards)
East Point, seaward reef, mid reef flat, cryptofauna, sublittoral fringe, 8 July 1967; 6 July 1967; North West Point, seaward reef Cymodocea beds, cryptofauna, sublittoral fringe, 21 July 1967. North West Point seaward reef algal ridge beneath boulders, sublittoral fringe. South Point; seaward reef, sublittoral fringe, 1 female, 11 July 1967; West Island, lagoon reef, Cymodocea beds, cryptofauna, sublittoral fringe, 23 July 1967.

Actaea speciosa Dana
South Point, seaward in coral, sublittoral fringe, 11 July 1967.

Actaea parvula (de Haan)
Doflein (1904).

Lachnopodus subacutus (Stimpson)
South Point, seaward reefs, under cobbles, 1 male, 11 July 1967.

Platypodia cristata Milne Edwards
Rathbun (1911) lagoon.

Chlorodopsis spinipes Heller
Rathbun (1911) lagoon, 10 fathoms.

Pseudoliomera natalensis Ward
Ward (1942).

Liomera bellus (Dana)
North West Point, seaward reef, algal ridge, boulders, sublittoral fringe, 21 July 1967.

Liomera monticulosus (Milne Edwards)
North West Point, seaward reef, algal ridge, boulders, sublittoral fringe, 21 July 1967; Barton Point, seaward shore, boulder zone, cryptofauna, intertidal, 7 July 1967; Headland immediately North of Point Thomas, beneath boulders, cryptofauna, sublittoral fringe, 13 July 1967; South Point, seaward reef, sublittoral fringe, 11 July 1967; East Point, seaward flats, cryptofauna, mid reef, sublittoral fringe, 6 July 1967.

Liomera tristis (Dana)
East Point, seaward reef, cryptofauna, mid reef flat, sublittoral fringe, 8 July 1967; West Island, lagoon reef, Cymodocea beds, sublittoral fringe, 23 July 1967.

Liomera sp.
North West Point, seaward reef, algal ridge, beneath boulders, sublittoral fringe, 21 July 1967.

Xanthias lamarckii (Milne Edwards)
East Point, seaward reef, cryptofauna, reef flat, sublittoral fringe, 6 July 1967, several collections. East Point, seaward reef, cryptofauna, mid reef flat, sublittoral fringe, 8 July 1967. East Point, seaward reef, algal ridge, cryptofauna, sublittoral fringe, 8 July 1967. South Point, seaward reef, coral colony, sublittoral fringe, 11 July 1967. North West Bay, seaward Cymodocea beds, cryptofauna, sublittoral fringe, 21 July 1967. Doflein (1904).

Xanthias latifrons (de Man)
Ward (1942).

Phymodius ungulatus Milne Edwards
Doflein (1904); Rathbun (1911) lagoon, 10 fathoms.

Etisodes armatus Ward
Ward (1942).

Etisus dentatus (Herbst)
Doflein (1904).

Etisus laevimanus Randall
Rathbun (1911) Barachois; Ward (1942).

Etisus electra (Herbst)
North West Point, seaward Cymodocea beds, cryptofauna, sublittoral fringe, 21 July 1967; East Point, lagoon shore, cobbles at base of beach, intertidal, 5 July 1967.

Etisus demani Odhner
East Point, seaward, 8 July 1967.

Menippe sp.
Barton Point, beneath rocks at base of beach, intertidal, 7 July 1967.

Juxtaxanthias livida (Lamarck)
Ward (1942).

Lioxantho subacutus (Stimpson)
Ward (1942).

Macromedaeus punctatus Ward
Ward (1942).

Medaeus simplex Milne Edwards
Ward (1942).

Platyozius laevis (Borradaile)
Ward (1942).

Ozius guttatus garciaensis Ward
Ward (1942).

Pseudozius caystrus (Adams and White)
Barton Point, seaward reef, beneath rocks at base of beach, intertidal, 7 July 1967. Rathbun (1911) Lagoon 10 fathoms. Ward (1942) (tentative identification).

Epixanthus frontalis (Milne Edwards)
Lagoon shore South of Mamzelle Adélie, beach rock, intertidal, 17 July 1967; South of Mamzelle Adélie lagoon, beach rock, cryptofauna, intertidal, 17 July 1967; Carcasse, lagoon shore, cobbles and sand, intertidal. Carcasse, tidal inlet, 9 July 1967.

Pilumnus longicornis Hilgendorf
Rathbun (1911) lagoon 14 fathoms.

Pilumnus cf. hirsutus Stimpson
North West Point, seaward reef algal ridge, boulders, sublittoral fringe, 21 July 1967.

Daira perlata (Herbst)
East Point, seaward reef, cryptofauna, algal ridge, sublittoral fringe, 8 July 1967; East Point, seaward reef, cryptofauna, mid reef flat, sublittoral fringe, 8 July 1967; North West Point, seaward, algal ridge, boulders, sublittoral fringe, 21 July 1967. South Point, seaward reef off coral colony, sublittoral fringe, 11 July 1967. Doflein (1904).

Eriphia laevimana Guérin
South Point, seaward shore, beach rock, intertidal, 11 July 1967; East Island, beach rock, intertidal, 26 July 1967.

Eriphia scabricula Dana
North West Point, seaward algal ridge, sublittoral fringe, 21 July 1967; East Point, seaward, cryptofauna, mid reef, sublittoral fringe, 6 July 1967, 8 July 1967.

Eriphia scabricula garciaensis Ward
Ward (1942), (not separable from above).

Trapezia cymodoce Herbst
East Point, seaward flats, mid reef, cryptofauna, sublittoral fringe, 6 July 1967. Rathbun (1911), lagoon 12 fathoms.

Trapezia digitalis Latreille
Eclipse Point, seaward flats, algal ridge, in coral sublittoral fringe, 21 July 1967.

Trapezia ferruginea Latreille
East Point, seaward reef, cryptofauna, reef flat, sublittoral fringe, 6 July 1967.

Trapezia speciosa Dana
South Point, seaward, coral colony, sublittoral fringe, 11 July 1967.

Tetralia glaberrima (Herbst)
South Point, seaward reef, coral colony, sublittoral fringe, 11 July 1967.

Euruppellia annulipes (Milne Edwards)
East Point, seaward reef, beach rock crevices, intertidal, 8 July 1967.

Dromidiopsis dormia (Linnaeus)
North West Point, seaward flats, Cymodocea beds, cryptofauna, sublittoral fringe, 21 July 1967; East Point, seaward reef, cryptofauna, reef flat, sublittoral fringe, 6 July 1967; East Point, Cymodocea beds, cryptofauna.

Calappa hepatica (Linnaeus)
Pointe Marianne, lagoon shore, Cymodocea beds, sublittoral fringe, 22 July 1967.

Cryptochirus marsupialis (Stimpson)
East Point, lagoon, in Stylophora colony, 1 m depth, 10 July 1967.

Anomura

PAGURIDEA

Calcinus elegans Milne Edwards
Balss (1912).

Calcinus laevimanus (Randall)
Headland immediately N. of Point Thomas, reef flat, beneath boulders, sublittoral fringe, 13 July 1967.

Calcinus terraereginae Haswell
Balss (1912).

Calcinus sp.
Barton Point, windward shore, beneath boulders, cryptofauna, intertidal, 7 July 1967.

Dardanus guttatus Olivier
Balss (1912).

Dardanus megistos (Herbst)
Pointe Marianne, lagoon flats, Cymodocea beds, intertidal, 22 July 1967; Cust Point, lagoon, Cymodocea beds, epifaunal, 1 m depth, 14 July 1967.

Coenobita clypeatus (Latreille)
North East Point, beach, July 1967; East Point, terrestrial, 26 July 1967; Minni Minni, in vegetation, terrestrial.

Coenobita perlatus (Milne Edwards)
South Point, beach, 11 July 1967.

Coenobita rugosus Milne Edwards
East Point, lagoon side, sandy beach, supralittoral, 26 July 1967; East Point, seaward beach, supralittoral, 5 July 1967. Balss (1912); Ward (1942).

Birgus latro (Linnaeus)
Common over much of atoll land rim.

GALATHEIDEA

Petrolisthes barbatus (Heller)
Ward (1942).

Petrolisthes lamarckii Leach
East Point, seaward flats, cryptofauna, mid reef, sublittoral fringe, 6 July 1967. Barton Point, beneath rocks at base of beach, intertidal, 7 July 1967; seaward reef, beneath boulders, intertidal, eulittoral, 7 July 1967. North West Point, seaward reef, algal ridge, boulders, sublittoral fringe, 21 July 1967. Doflein & Balss (1913).

Pachycheles cf. natalensis (Krauss)
South Point, seaward reef, coral colony, sublittoral fringe, 11 July 1967.

Polyonyx biunguiculatus Dana
Laurie (1926), lagoon 14 fathoms.

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